

91652

From: Chan, Christina
Sent: Wednesday, April 16, 2003 10:46 AM
To: Zeman, Mary; STIC-Biotech/ChemLib
Subject: RE: Rush Sequence search request 09/699295

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644

308-3973

CM-1, 9B19

-----Original Message-----

From: **Zeman, Mary**
Sent: Wednesday, April 16, 2003 10:05 AM
To: Chan, Christina
Subject: Rush Sequence search request 09/699295

Please approve a rush search in this application:
Please perform an interference search SEQ ID NO: 301 and 304 of 09/699295.
This a case where applicant filed an RCE after allowance, and I just need to
update the interference search. I need to move the file as soon as possible.
Paper printout please,
Thank you
Mary K. Zeman
Examiner, 1631
305-7133
CM1 12A17
mailbox: CM1 12D01

Searcher: P. J. ...
Phone: 308 42050
Location: CM1 61203
Date Picked Up: _____
Date Completed: 4/16/03
Searcher Prep/Review: 10
Clerical: _____
Online time: 7

TYPE OF SEARCH:

NA Sequences: 1
AA Sequences: 1
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)

STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: Seq. ...
WWW/Internet: _____
Other (specify): _____

56 5 2

59 7

Companion version 5.1.4 p5, 4578
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Metric: map-to-seq, using SW model

Run on: April 17, 2003, 07:28:12 : Search time 64 Seconds
(without alignments)
(543,547 Million cell updates/sec)

Total: 05:09:50.295, 401
Posterior score: 1155
Sequence: 1 alignment quality: sequence read and 1155

Search table: IDENTITY: 90%
Gap: 10.0, Expect: 1.0

Sequences: 44162 seqs, 15430881 residues

Total number of hits satisfying chosen parameters: 86274

Minimum hit seq length: 20000000

Posterior score: Minimum Match: 0%
Maximum Match: 100%
Last used Match: 45, summations

Posterior:

Legend: Posterior: NC*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Post: NC is the number of profiles predicted by chance to have a posterior greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
3	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
4	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
5	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
6	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
7	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
8	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
9	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
10	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
11	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
12	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
13	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
14	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
15	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
16	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
17	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
18	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
19	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
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21	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
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24	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
25	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
26	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App
27	1155	100.0	1155	05:09:50.295, 473	Sequence 473, App

28	864.8	69.7	1512	4	US-09-699-295-301	Sequence 473, App
29	864.8	69.7	1512	4	US-09-699-295-301	Sequence 473, App
30	768	66.5	879	4	US-09-699-295-301	Sequence 473, App
31	768	66.5	879	4	US-09-699-295-301	Sequence 473, App
32	571.4	49.5	1855	4	US-09-699-295-301	Sequence 473, App
33	571.4	49.5	1855	4	US-09-699-295-301	Sequence 473, App
34	571.4	49.5	1855	4	US-09-699-295-301	Sequence 473, App
35	571.4	49.5	1855	4	US-09-699-295-301	Sequence 473, App
36	520	45.0	1059	4	US-09-699-295-301	Sequence 473, App
37	520	45.0	1059	4	US-09-699-295-301	Sequence 473, App
38	520	45.0	1059	4	US-09-699-295-301	Sequence 473, App
39	417.8	38.2	454	4	US-09-699-295-301	Sequence 473, App
40	417.8	38.2	454	4	US-09-699-295-301	Sequence 473, App
41	417.8	38.2	454	4	US-09-699-295-301	Sequence 473, App
42	162.2	14.0	668	4	US-09-699-295-301	Sequence 473, App
43	162.2	14.0	668	4	US-09-699-295-301	Sequence 473, App
44	162.2	14.0	668	4	US-09-699-295-301	Sequence 473, App
45	162.2	14.0	668	4	US-09-699-295-301	Sequence 473, App


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RESULT 4
US-09-465-785-474
Sequence 474: Application US/09465785
Patent No. 6,421,716
GENERAL INFORMATION:
APPLICANT: Xu, Jianqun
APPLICANT: Dillon, David C.
APPLICANT: Mitchell, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuguang
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Patrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aljun
APPLICANT: Skelly, Yasir A.W.
APPLICANT: Hopler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 21,121,427,015
CURRENT AFFILIATION NUMBER: 05/007,405,785
CURRENT FILING DATE: 2000-05-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FASTSP for Windows Version 3.0
SEQ ID NO: 474
LENGTH: 2000
TYPE: DNA
ORGANISM: Homo sapien
US-09-605-785-474
Query Match          98.0% Score 1131.6; DR 4; Length 2000;
      % Ident. Similarity 99.6% Prod. No. 0;
Matches 1134; Gaps 11; O. Mismatches 4; Indels 0; Caps 0;
1 AGTGGTTGAGGTGAATTCACATGGCCCTTGGCTTGGCTTGGCAAGAGCATTGGTGTC 60
2b ATGGTATTAAAGTAGATTCATCGCGGCTGACCTTGTGTGAAGAATCTGAGCGTC 60
3y ATGAGTAAGATGGCAATGGTGGCTGGGTTGGTTGGTTGGTTGGTGGAGTGGAGG 120
4b AAGAGTAAGATGGTAAGTGGTTGGTTGGTTGGTTGGTTGGTTGGTTGGTTGGTT 120
5y ATGAGTGGGCACTTCTGGACATGAGGCACCTGTATGAAAGCATCTGAGGCAAG 180
2b ATGCAAGATGGCACTTCTGATACATGAGGCATCTGTATGAAGATCTGAGGCAAG 180
3y ATGGGTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
4b ATGGGTAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 240
5y GTGGTTCTGGAGACCACATGACTCTGCTATGAACAATCTGAGAACAGATGGCAAG 300
2b GGAGTCTTGGCACACAGACATCTGCTATGAACAATCTGAGAACAGATGGSCAAG 300
3y TGCTGTCTGATCTGTTTTGGTTGGTGGAGGAGAGAGTGAACAATGAGTGGAGG 360
4b TGCTGTCTGATCTGTTTTGGTTGGTGGAGGAGAGAGTGAACAATGAGTGGAGG 360
5y GTAGACATGAGATGAGATGCCCTTATGAGAGCGCAGGTACACAGTGGTGGAGAGG 420
2b GTAGACATGAGATGAGATGCCCTTATGAGAGCGCAGGTACACAGTGGTGGAGAGG 420
3y GAGAAATCTAGATGAGATGCCCTTATGAGAGCGCAGGTACACAGTGGTGGAGAGG 420
4b GAGAAATCTAGATGAGATGCCCTTATGAGAGCGCAGGTACACAGTGGTGGAGAGG 420
5y GAATAATCTAGAGAGAGTGGCTGATGGGATGAATTTGTAAGAAATCTCATGTCTAG 480
2b GATTAATCTAGAGAGAGTGGCTGATGGGATGAATTTGTAAGAAATCTCATGTCTAG 480
3y GATTAATCTAGAGAGAGTGGCTGATGGGATGAATTTGTAAGAAATCTCATGTCTAG 480
4b GATTAATCTAGAGAGAGTGGCTGATGGGATGAATTTGTAAGAAATCTCATGTCTAG 480
5y GATTAATCTAGAGAGAGTGGCTGATGGGATGAATTTGTAAGAAATCTCATGTCTAG 480

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[illegible]


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QY 601 GTGCTTGACAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 660
Db 601 GTGCTTGACAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 660
QY 661 TGTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 720
Db 661 TGTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 720
QY 721 AGCAGCTGCAATGAGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 780
Db 721 AGCAGCTGCAATGAGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 780
QY 781 TATGCTGCTGATGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCA 840
Db 781 TATGCTGCTGATGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCA 840
QY 841 CATGAGCAAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 900
Db 841 CATGAGCAAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 900
QY 901 GTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 960
Db 901 GTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 960
QY 961 GTGAGCTGCTGATGAGCAAAACAGACAGCTCTGATAAAGGCTGCAATGCGAG 1020
Db 961 GTGAGCTGCTGATGAGCAAAACAGACAGCTCTGATAAAGGCTGCAATGCGAG 1020
QY 1021 GGTGAGCAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 1080
Db 1021 GGTGAGCAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 1080
QY 1081 AAGGAGCAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 1138
Db 1081 AAGGAGCAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 1138

RESULT 7
US-09-605-785-475
Sequence 475, Application US/9905785
Patent No. 6321716
GENERAL INFORMATION:
APPLICANT: Xu, Jianchun
APPLICANT: Dillon, David C.
APPLICANT: Micham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Ketter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Patrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skolky, Yael A.W.
APPLICANT: Hopler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427016
CURRENT APPLICATION NUMBER: US/99/405785
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 845
SOFTWARE: SEQ ID NOS: 845
SPU ID NO: 375
LENGTH: 2040
TYPE: DNA
ORGANISM: Homo sapien
US-09-605-785-475

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Query Match      98.0% Score 1131.6; DB 4; Length 2040;
Best Level Similarity 99.6%; Pred. No. 0;
Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 ATGCTGCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 60
Db 1 ATGCTGCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 60
QY 61 AAGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 120
Db 61 AAGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 120
QY 121 AAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 180
Db 121 AAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 180
QY 181 AAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 240
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QY 241 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 300
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QY 301 TGTGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 360
Db 301 TGTGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 360
QY 361 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 420
Db 361 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 420
QY 421 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 480
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QY 481 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 540
Db 481 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 540
QY 541 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 600
Db 541 GAGCAAGCTGAGCAACATGAGCAACATGAGCAACATGAGCAACATGAGCAAC 600
QY 601 GTCCTTGACAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 660
Db 601 GTCCTTGACAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 660
QY 661 TGTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 720
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Db 721 AGCAGCTGCAATGAGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 780
QY 781 TATGCTGCTGATGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCA 840
Db 781 TATGCTGCTGATGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCA 840
QY 841 CATGAGCAAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 900
Db 841 CATGAGCAAAACAAACAGACAGCTCTGATAAAGGCTGCAATGCGAGAGATGCA 900
QY 901 GTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 960
Db 901 GTGCTTAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 960
QY 961 GTGAGCTGCTGATGAGCAAAACAGACAGCTCTGATAAAGGCTGCAATGCGAG 1020
Db 961 GTGAGCTGCTGATGAGCAAAACAGACAGCTCTGATAAAGGCTGCAATGCGAG 1020
QY 1021 GGTGAGCAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 1080
Db 1021 GGTGAGCAATGTTGTGACAGATGCGACTGATCAAAATTCAGATGAGATGCAAT 1080

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549 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

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US 09 439 418 869

Query Match: 44 58 Score: 1000.00 Len: 4 Len: 4 Len: 4 Len: 4
Best Local Similarity: 96.998 Percent: 96.998
Matches: 1004 Conserved: 243 Mismatches: 72 Deletions: 0 Indels: 0

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99 1 Alignment: 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

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Source: [redacted] April 17, 2003, 1:01 PM
[redacted] [redacted] [redacted]

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-continued

AAATATTCOA	GATGASTATG	GAAATACCAC	TGTACATTAT	GCTGTCTACA	ATGAAGATAA	1320
ATTAATGGCC	AAAGCACTGC	TCTTATACGG	TGTTGATATC	GAATCAAAAA	ACAAGGTATA	1380
GATCTACTAA	TTTTATCTTC	AAAATACTGA	AATGCATTCA	TTTTAACATT	GACGTGTGTA	1440
AGGTCACAGC	TTCGGIATTI	GGAAGTCGAA	GCATAACTTG	AATGAAAATA	TTTTGAAATG	1500
ACCTAATTAT	CTAAGACTTI	ATTTTAAATA	TTTATTATTT	CAAAGAAGCA	TTAGAGGGTA	1560
CACTTTTTH	TTTTAAATG	CACCTTIGST	AAATACTTFT	GTTGAAAACA	GTGAATTST	1620
AAAAGGTAA	ACTTACTATI	TTTCAATTTT	TCCCTCCTAG	GATTTTTHC	CCCTAATGAA	1680
TGTAAGATGG	CAAAATTTGC	CTGAAATAG	GTTTACATG	AAAACCCGAA	GAAAAGTTAA	1740
ACATGTTTCA	GTAANTAGAG	ATCCTGCTCC	TTTGGCAAGT	TCCTAAAAAA	CAGTAATAGA	1800
TACGAGGTGA	TGCGCCTGTC	ATGGGCAAGG	TTTAAGATAT	TCTGATCTC	GTGCC	1855

What is claimed is:

1. An isolated DNA molecule comprising SEQ ID NO: 292.
2. An isolated DNA molecule comprising SEQ ID NO: 293.
3. An isolated DNA molecule comprising SEQ ID NO: 294.
4. An isolated DNA molecule comprising SEQ ID NO: 295.
5. An isolated DNA molecule comprising SEQ ID NO: 296.
6. An isolated DNA molecule comprising SEQ ID NO: 297.
7. A recombinant expression vector comprising a DNA molecule according to any one of claims 1-6.
8. A host cell transformed or transfected with an expression vector according to claim 7.
9. A host cell of claim 8 wherein the host cell is selected from the group consisting of *E. coli*, yeast and mammalian cell lines.

* * * * *

The first part of the paper discusses the importance of the study of the history of the United States. It is argued that the study of the history of the United States is essential for a full understanding of the country and its people. The second part of the paper discusses the importance of the study of the history of the world. It is argued that the study of the history of the world is essential for a full understanding of the world and its people. The third part of the paper discusses the importance of the study of the history of the United States and the world. It is argued that the study of the history of the United States and the world is essential for a full understanding of the United States and the world.

[illegible]

RESULT 2	
ns-10-012-896-373	
ns-10-012-896-373	Application No. US20020184251A1
ns-10-012-896-373	GENERAL INFORMATION
ns-10-012-896-373	APPLICANT: Xu, Jiaoguan
ns-10-012-896-373	APPLICANT: Dillon, Gavin G.
ns-10-012-896-373	APPLICANT: Mitchell, Jennifer L.
ns-10-012-896-373	APPLICANT: Barlock, Susan L.
ns-10-012-896-373	APPLICANT: Jiang, Yugu
ns-10-012-896-373	APPLICANT: Kalos, Michael D.
ns-10-012-896-373	APPLICANT: Reiter, Marc W.
ns-10-012-896-373	APPLICANT: Stolk, John A.
ns-10-012-896-373	APPLICANT: Day, Craig H.
ns-10-012-896-373	APPLICANT: Vedvick, Thomas S.
ns-10-012-896-373	APPLICANT: Carter, Derrick
ns-10-012-896-373	APPLICANT: Li, Samuel X.
ns-10-012-896-373	APPLICANT: Wang, Ajun
ns-10-012-896-373	APPLICANT: Skelzy, Yasir A.W.
ns-10-012-896-373	APPLICANT: Hepler, William T.
ns-10-012-896-373	APPLICANT: Henderson, Robert A.
ns-10-012-896-373	APPLICANT: Horai, John
ns-10-012-896-373	APPLICANT: McNeill, Patricia D.
ns-10-012-896-373	APPLICANT: Houghton, Raymond L.
ns-10-012-896-373	APPLICANT: Vinals de Bassols, Carlota
ns-10-012-896-373	APPLICANT: Foy, Teresa
ns-10-012-896-373	APPLICANT: Fancor, Gary R.
ns-10-012-896-373	APPLICANT: Mantunob, Yoshinobu
ns-10-012-896-373	APPLICANT: Meagher, Madeline Joy
ns-10-012-896-373	TITLE OF INVENTION, COMPOSITIONS AND METHODS FOR THE THERAPY AND
ns-10-012-896-373	TITLE OF INVENTION, COMPOSITIONS AND METHODS FOR THE THERAPY AND
ns-10-012-896-373	FILE REFERENCE: 210121-427627
ns-10-012-896-373	CURRENT APPLICATION NUMBER: ns-10-012-896-373
ns-10-012-896-373	CURRENT FILING DATE: 2001-12-10
ns-10-012-896-373	NUMBER OF SEQ. ID NOS: 1011
ns-10-012-896-373	SOFTWARE: FASTSEQ for Windows Version 4.0
ns-10-012-896-373	SEQ. ID NO. 373
ns-10-012-896-373	LENGTH: 1155
ns-10-012-896-373	TYPE: DNA
ns-10-012-896-373	ORGANISM: Homo sapiens
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QY 781 TATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGAT 849
DB 781 TATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGAT 849
QY 841 CTGACGCAAAAACAAAGATGCTGATATGCTGATATGCTGATATGCTGATATGCTGAT 909
DB 841 CTGACGCAAAAACAAAGATGCTGATATGCTGATATGCTGATATGCTGATATGCTGAT 909
QY 901 CTGATAGATATGCAAGCACTGCTGATATGCTGATATGCTGATATGCTGATATGCTGAT 969
DB 901 CTGATAGATATGCAAGCACTGCTGATATGCTGATATGCTGATATGCTGATATGCTGAT 969
QY 961 GTGACCTGCTACTGATGAGCAAAAATGATGATATGCTGATATGCTGATATGCTGATAT 1020
DB 961 GTGACCTGCTACTGATGAGCAAAAATGATGATATGCTGATATGCTGATATGCTGATAT 1020
QY 1021 GTGACGCAAAAACAAAGATGCTGATATGCTGATATGCTGATATGCTGATATGCTGAT 1089
DB 1021 GTGACGCAAAAACAAAGATGCTGATATGCTGATATGCTGATATGCTGATATGCTGAT 1089
QY 1081 AAGCAAAAACAAAGATGCTGATATGCTGATATGCTGATATGCTGATATGCTGATAT 1140
DB 1081 AAGCAAAAACAAAGATGCTGATATGCTGATATGCTGATATGCTGATATGCTGATAT 1140
QY 1141 ACTCAAAAATCAAAATA 1155
DB 1141 ACTCAAAAATCAAAATA 1155

RESULT 4
US-09-895-814-473
Sequence 473, Application US/09895814
Publication No. 09202314226A1
GENBANK INFORMATION:
APPLICANT: Xu, Jiaochun
APPLICANT: Dillon, David G.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yonglu
APPLICANT: Kalos, Michael D.
APPLICANT: Ketter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedrick, Thomas S.
APPLICANT: Carter, Jennifer
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skelky, Yasir A.M.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNell, Patricia D.
APPLICANT: Boudreau, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fauger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 21021.127C26
CURRENT APPLICATION NUMBER: US/09/895,814
CURRENT FILING DATE: 2001-04-29
NUMBER OF SEQ ID NOS: 960
SOFTWARE: FASTSV for Windows Version 4.0
SEQ ID NO 473
LENGTH: 1155
TYPE: DNA
ORGANISM: Homo sapien
US-09-895-814-473

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Host Local Similarity 100.0% Prod. No. 0
Matches 1155 Conservative 0 Mismatches 0 Indels 0 Gaps 0

QY 1 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 60
DB 1 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 60
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DB 61 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 120
QY 121 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 180
DB 121 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 180
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DB 181 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 240
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DB 241 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 300
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DB 721 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 780
QY 781 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 840
DB 781 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 840
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DB 841 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 900
QY 901 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 960
DB 901 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 960
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DB 961 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 1020
QY 1021 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 1080
DB 1021 ATGCTGTGATATGCAATCAAAAACAAAGATGAGCTGATATGCTGATATGCTGATATGCTGAT 1080

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1 CURRENT AFFILIATION NUMBER: 2000-01-12
 2 CURRENT FILING DATE: 2001-01-12
 3 NUMBER OF SEQ ID NOS: 944
 4 SOFTWARE: FASTSEQ for Windows Version 3.0
 5 SEQ ID NO: 373
 6 LENGTH: 1155
 7 TYPE: DNA
 8 ORGANISM: Homo sapien
 9 US-09-759-143-374

Query Match 100.0% Score 1155 DB 10 Length 1155
 Best Local Similarity 100.0% Prod. No. 0
 Matches 1155 Conservative 0 Mismatches 0 Indels 0 Gaps 0

1 ATGCTGTTGAGGTTTATTTGATGATGCGGCTGGCTGCTGTGAGAAAGCGATTGCTGCG 60
 2 ATGCTGTTGAGGTTTATTTGATGATGCGGCTGGCTGCTGTGAGAAAGCGATTGCTGCG 60
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901 CTGCAATACATATGAGACATGCTGCTGATCTGCTGATATTTGATGACAAAGATA 900
 902 CTGCAATACATATGAGACATGCTGCTGATCTGCTGATATTTGATGACAAAGATA 900
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RESULT 7

US-09-780-669-373

Sequence 373, Application us/09/140669

Patent No. US20020051977A1

GENERAL INFORMATION:

APPLICANT: Xu, Jianqun

APPLICANT: Milton, Jennifer L.

APPLICANT: Harlocker, Susan L.

APPLICANT: Jiang, Yigui

APPLICANT: Henderson, Robert A.

APPLICANT: Kalos, Michael D.

APPLICANT: Fanger, Gary R.

APPLICANT: Keller, Marc W.

APPLICANT: Steink, John A.

APPLICANT: Day, Craig H.

APPLICANT: Vedeck, Thomas S.

APPLICANT: Carter, Derrick

APPLICANT: Li, Samuel

APPLICANT: Maiti, Aljun

APPLICANT: Skolky, Yasser A.W.

APPLICANT: Hopler, William

APPLICANT: Hural, John

APPLICANT: McNeill, Patricia D.

APPLICANT: Houghton, Raymond L.

TITLE OF INVENTION: COMBINATIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

PUBLICATION: 210121-127024

SEQUENCE AFFILIATION: us/09/780-669

CURRENT FILING DATE: 2001-02-09

NUMBER OF SEQ ID NOS: 944

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 373

LENGTH: 1155

TYPE: DNA

ORGANISM: Homo sapien

US-09-780-669-373

Query Match 100.0% Score 1155 DB 10 Length 1155

Best Local Similarity 100.0% Prod. No. 0

Matches 1155 Conservative 0 Mismatches 0 Indels 0 Gaps 0

1 ATGCTGTTGAGGTTTATTTGATGATGCGGCTGGCTGCTGTGAGAAAGCGATTGCTGCG 60
 2 ATGCTGTTGAGGTTTATTTGATGATGCGGCTGGCTGCTGTGAGAAAGCGATTGCTGCG 60
 3
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[illegible]

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1 RESULT 9
2   TIS-009-822-827-373
3   ? Sequence: 473, Affiliation: US709822227
4   ? Patient No.: US2002008160A1
5   ? GENERAL INFORMATION:
6   ? APPLICANT: XU, Jiaqichun
7   ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
8   ? FILE REFERENCE: 210121.534C1
9   ? CURRENT AFFILIATION NAME: US7098222 927
10  ? CURRENT FILING DATE: 2001-03-28
11  ? NUMBER OF SEQ ID NOS: 982
12  ? SOFTWARE: fastseq for windows Version 3.0
13  ? SEQ ID NO: 373
14  ? LENGTH: 1155
15  ? TYPE: DNA
16  ? ORGANISM: Homo sapien
17  ? OS-009-822-827-373

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Query Matched	100.0%	Score 1155	DB 10	Length 1155
Host Local Similarity	100.0%			
Matches 1155	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	ATATGATTCAGATTATTCATTCATTCGCTTCATCTTCCTTCGAGAACGCAATTGGCTCTC	60	
DB	1	ATGGTGATGAGGTTATTCATTCATTCGCTTCATCTTCCTTCGAGAACGCAATTGGCTCTC	60	
QY	61	ATTAGGCAATATGGATTAAGTGTGCTATGGCGATTCCTTTGCTTCTCATAGGAGAGCGCGCAAG	120	
DB	61	ATTAGGCAATATGGATTAAGTGTGCTATGGCGATTCCTTTGCTTCTCATAGGAGAGCGCGCAAG	120	
QY	121	ATGACGCTGGCGCTGTCGACAGACGACGACGATCTTCTTATGAGAGAGATCTGAGAGAGAG	180	
DB	121	ATGACGCTGGCGCTGTCGACAGACGACGACGATCTTCTTATGAGAGAGATCTGAGAGAGAG	180	

[illegible]

RESULT 10
US-09-429-755-401
; Sequence 301, Application US/09429755A

7

8

9

ALIGNMENTS

Query Match	100.0%	Score 1155;	DB 1;	Length 1155;
Best Local Similarity	100.0%	Prod. No. 4.80-306;		
Matches 1155,	0,	Mismatches 0,	Indels 0;	Gaps 0;

[illegible]


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181 ATGGGTAATGGTGGGCGCATTTCTTCCCTTGGTCAAGGGGCAATGGTAAAGCAACCTG 240
181 ATGGGTAATGGTGGGCGCATTTCTTCCCTTGGTCAAGGGGCAATGGTAAAGCAACCTG 240
241 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 300
241 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 300
301 TGGGCTTTGGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 360
301 TGGGCTTTGGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 360
361 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 420
361 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 420
421 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 480
421 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 480
481 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 540
481 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 540
541 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 600
541 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 600
601 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 660
601 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 660
661 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 720
661 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 720
721 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 780
721 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 780
781 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 840
781 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 840
841 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 900
841 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 900
901 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 960
901 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 960
961 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1020
961 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1020
1021 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1080
1021 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1080
1041 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1100
1041 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1100
1081 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1140
1081 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1140
1141 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1155
1141 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 1155

```

RESULT 4
US-09-429-755-301
181 08:01:44 2003

```

GENERAL INFORMATION:
APPLICANT: Fredakis, Tony N.
APPLICANT: Smith, John M.
APPLICANT: Reed, Steven G.
APPLICANT: Misher, Lynda
APPLICANT: Kotter, Marc W.
APPLICANT: Dillon, David C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
TREATMENT AND DIAGNOSIS OF BREAST CANCER
FILE REFERENCE: 210121-4196
CURRENT APPLICATION NUMBER: US/99/429,755A
CURRENT FILING DATE: 1999-10-28
NUMBER OF SEQ ID NOS: 315
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 301
LENGTH: 1155
TYPE: DNA
ORGANISM: Homo sapien
US-09-429-755-301
Query Match: 100.0%; Score 1155; DB 18; Length 1155;
Post Local Similarity: 100.0%; Pred. No. 4,8e-306;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0
1 ATGGTATTGAGTTGATATTCATTCGGGCTGGCTCTTGTGTGAAGCAAGCAATTGGTCTG 60
1 ATGGTATTGAGTTGATATTCATTCGGGCTGGCTCTTGTGTGAAGCAAGCAATTGGTCTG 60
61 AGGAGTAAGATGGGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 120
61 AGGAGTAAGATGGGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 120
121 AGCAATCTAGGCACTTTGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 180
121 AGCAATCTAGGCACTTTGTGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 180
181 ATGGGTAAGTGGTGGGCACTGGCTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 240
181 ATGGGTAAGTGGTGGGCACTGGCTTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 240
241 GGGGCTTTGGGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 300
241 GGGGCTTTGGGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 300
301 TGGGCTTTGGGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 360
301 TGGGCTTTGGGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 360
361 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 420
361 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 420
421 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 480
421 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 480
481 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 540
481 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 540
541 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 600
541 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 600
541 TGGGCTTTGGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 660
541 TGGGCTTTGGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 660
601 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 720
601 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 720
661 TGGGCTTTGGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 780
661 TGGGCTTTGGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 780
721 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 840
721 GAGGCTTTGTAAGCAATGATATATTTCTATTAAGCAATGATATTAAGCAATGAT 840

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LENGTH: 1155
 TYPE: DNA
 ORGANISM: Homo sapien
 US-09-593-583-101

Query Match 100.0% Score 1155; DB 22; Length 1155;
 Best Local Similarity 100.0% Prod. No. 4.8e-306;
 Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 1 ATGGTGTGACCTTATTCATATGAGATGCTTTGTGAAAGAAATGATGAGTCTG 60
 DB 1 ATGGTGTGACCTTATTCATATGAGATGCTTTGTGAAAGAAATGATGAGTCTG 60
 UY 61 AAGAGCAATATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 DB 61 AAGAGCAATATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 UY 121 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 180
 DB 121 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 180
 UY 181 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 240
 DB 181 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 240
 UY 241 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 300
 DB 241 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 300
 UY 301 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 360
 DB 301 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 360
 UY 361 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 420
 DB 361 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 420
 UY 421 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 480
 DB 421 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 480
 UY 481 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 540
 DB 481 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 540
 UY 541 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 600
 DB 541 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 600
 UY 601 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 660
 DB 601 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 660
 UY 661 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 720
 DB 661 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 720
 UY 721 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 780
 DB 721 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 780
 UY 781 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 840
 DB 781 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 840
 UY 841 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 900
 DB 841 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 900
 UY 901 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 960
 DB 901 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 960

UY 961 GTCAGGCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTG 1020
 DB 961 GTCAGGCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTG 1020
 UY 1021 GTCAGGCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTG 1080
 DB 1021 GTCAGGCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTG 1080
 UY 1081 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 1140
 DB 1081 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 1140
 UY 1141 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 1200
 DB 1141 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 1200

Result 12
 US-09-593-793A-373
 Sequence 373 Application US/09593793A

GENERAL INFORMATION:
 APPLICANT: Xu, Jiaqun
 APPLICANT: Dillon, David G.
 APPLICANT: Mitchell, Jennifer L.
 APPLICANT: Harlock, Susan L.
 APPLICANT: Jiang, Yugu
 APPLICANT: Reed, Steven G.
 APPLICANT: Kales, Michael D.
 APPLICANT: Fander, Gary R.
 APPLICANT: Petrov, Mario W.
 APPLICANT: Stolk, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Vedrick, Thomas S.
 APPLICANT: Castor, Derrick
 APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skelky, Yastir A.W.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 FILE REFERENCE: 210121.421615
 CURRENT APPLICATION NUMBER: US/09/593.793A
 NUMBER OF SEQ ID NOS: 814
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 373
 LENGTH: 1155
 TYPE: DNA
 ORGANISM: Homo sapien
 US-09-593-793A-373

Query Match 100.0% Score 1155; DB 22; Length 1155;
 Best Local Similarity 100.0% Prod. No. 4.8e-306;
 Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

UY 1 ATGGTGTGACCTTATTCATATGAGATGCTTTGTGAAAGAAATGATGAGTCTG 60
 DB 1 ATGGTGTGACCTTATTCATATGAGATGCTTTGTGAAAGAAATGATGAGTCTG 60
 UY 61 AAGAGCAATATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 DB 61 AAGAGCAATATGAGATGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
 UY 121 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 180
 DB 121 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 180
 UY 181 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 240
 DB 181 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 240
 UY 241 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 300
 DB 241 AATAGAGTGGACCTTCTGAGATGAGATGAGTCTGCTGCTGCTGCTGCTG 300

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4093.416 Million cell updates/sec

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23	829	71.8	2104	9	08	10	129	909	475	Sequence 475, Appl
24	808.5	70.0	804	8	08	10	129	909	475	Sequence 475, Appl
25	804.8	69.7	1512	6	08	09	593	796A	409	Sequence 409, Appl
26	804.8	69.7	1512	6	08	10	294	025	409	Sequence 409, Appl
27	804.8	69.7	1512	6	08	10	129	909	409	Sequence 409, Appl
28	768	66.5	879	6	08	09	593	796A	409	Sequence 409, Appl
29	768	66.5	879	6	08	10	294	025	409	Sequence 409, Appl
30	768	66.5	879	6	08	10	129	909	409	Sequence 409, Appl
31	622	53.9	687	9	08	10	012	697	1492	Sequence 1492, Appl
32	606	52.5	874	9	08	10	012	697	1473	Sequence 1473, Appl
33	671.4	49.5	1855	6	08	09	593	796A	409	Sequence 409, Appl
34	671.4	49.5	1855	6	08	10	294	025	409	Sequence 409, Appl
35	671.4	49.5	1855	6	08	10	129	909	409	Sequence 409, Appl
36	520	45.0	1059	6	08	09	593	796A	409	Sequence 409, Appl
37	520	45.0	1059	9	08	10	294	025	409	Sequence 409, Appl
38	520	45.0	1059	9	08	10	129	909	409	Sequence 409, Appl
39	610.4	44.2	640	8	08	10	129	909	409	Sequence 409, Appl
40	609.8	44.1	695	9	08	10	012	697	943	Sequence 943, Appl
41	495.4	42.9	605	8	08	10	129	909	409	Sequence 409, Appl
42	455.2	40.8	560	11	08	09	441	869	538	Sequence 538, Appl
43	455.2	40.8	560	11	08	10	294	025	409	Sequence 409, Appl
44	454.4	40.7	560	8	08	10	129	909	409	Sequence 409, Appl
45	433.6	27.2	767	9	08	10	012	697	402	Sequence 402, Appl

ATTACHMENTS

RESULT 1

US 09 593 796A 475
Sequence 475, Appl 08 10 129 909 475

GENERAL INFORMATION
Applicant: Xerox Corporation

Applicant: Dillman, David C.

Applicant: Mitchell, Jonathan L.

Applicant: Bell, Scott E. et al.

Applicant: Zeman, Yiguel

Applicant: Reed, Steven G.

Applicant: Kalous, Michael D.

Applicant: Edmund, Gary K.

Applicant: Kottler, Mark W.

Applicant: Stolk, John A.

Applicant: Day, Craig H.

Applicant: Wadsworth, Thomas S.

Applicant: Carter, Derrick

Applicant: Li, Samuel

Applicant: Wang, Aljun

Applicant: Skolky, Yash A.W.

Applicant: Holport, William

Title of Invention: METHODS AND DEVICES FOR LIBRARY AND

FILE REFERENCE: 210121-2271015

Current Filing Date: 2000-06-14

Number of SEQ ID NOS: 414

Software: FASTSEQ for Windows 3.0

SEQ ID NO 475

LENGTH: 1155

TYPE: DNA

ORIGIN: Homo sapiens

23	829	71.8	2104	9	08	10	129	909	475	Sequence 475, Appl
24	808.5	70.0	804	8	08	10	129	909	475	Sequence 475, Appl
25	804.8	69.7	1512	6	08	09	593	796A	409	Sequence 409, Appl
26	804.8	69.7	1512	6	08	10	294	025	409	Sequence 409, Appl
27	804.8	69.7	1512	6	08	10	129	909	409	Sequence 409, Appl
28	768	66.5	879	6	08	09	593	796A	409	Sequence 409, Appl
29	768	66.5	879	6	08	10	294	025	409	Sequence 409, Appl
30	768	66.5	879	6	08	10	129	909	409	Sequence 409, Appl
31	622	53.9	687	9	08	10	012	697	1492	Sequence 1492, Appl
32	606	52.5	874	9	08	10	012	697	1473	Sequence 1473, Appl
33	671.4	49.5	1855	6	08	09	593	796A	409	Sequence 409, Appl
34	671.4	49.5	1855	6	08	10	294	025	409	Sequence 409, Appl
35	671.4	49.5	1855	6	08	10	129	909	409	Sequence 409, Appl
36	520	45.0	1059	6	08	09	593	796A	409	Sequence 409, Appl
37	520	45.0	1059	9	08	10	294	025	409	Sequence 409, Appl
38	520	45.0	1059	9	08	10	129	909	409	Sequence 409, Appl
39	610.4	44.2	640	8	08	10	129	909	409	Sequence 409, Appl
40	609.8	44.1	695	9	08	10	012	697	943	Sequence 943, Appl
41	495.4	42.9	605	8	08	10	129	909	409	Sequence 409, Appl
42	455.2	40.8	560	11	08	09	441	869	538	Sequence 538, Appl
43	455.2	40.8	560	11	08	10	294	025	409	Sequence 409, Appl
44	454.4	40.7	560	8	08	10	129	909	409	Sequence 409, Appl
45	433.6	27.2	767	9	08	10	012	697	402	Sequence 402, Appl

total N is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Rank	Score	Match	Length	ID	Description
1	1155	1155	9	08 09 593 796A 475	Sequence 475, Appl
2	1155	1000	9	08 10 294 025 475	Sequence 475, Appl
3	1155	1155	9	08 10 129 909 475	Sequence 475, Appl
4	1155	1000	1	08 10 062 2242A 64	Sequence 64, Appl
5	1155	1000	6	08 09 593 796A 475	Sequence 65, Appl
6	1155	2000	9	08 10 294 025 475	Sequence 475, Appl
7	1155	2000	9	08 10 294 025 475	Sequence 475, Appl
8	1155	2000	9	08 10 129 909 475	Sequence 475, Appl
9	1155	2000	6	08 09 593 796A 475	Sequence 475, Appl
10	1155	2000	9	08 10 294 025 475	Sequence 475, Appl
11	1155	2000	9	08 10 129 909 475	Sequence 475, Appl
12	1155	2000	6	08 09 593 796A 409	Sequence 409, Appl
13	1155	2000	9	08 10 294 025 409	Sequence 409, Appl
14	1155	2000	9	08 10 129 909 409	Sequence 409, Appl
15	1155	2000	6	08 09 593 796A 409	Sequence 409, Appl
16	1155	2000	9	08 10 294 025 409	Sequence 409, Appl
17	1155	2000	9	08 10 129 909 409	Sequence 409, Appl
18	1155	2000	6	08 09 593 796A 409	Sequence 409, Appl
19	1155	2000	9	08 10 294 025 409	Sequence 409, Appl
20	1155	2000	9	08 10 129 909 409	Sequence 409, Appl
21	1155	2000	6	08 09 593 796A 409	Sequence 409, Appl
22	1155	2000	9	08 10 294 025 409	Sequence 409, Appl


```

Db 1141 ANCA:AAATAAATA 1155

RESULT 4
PCT-0502-22325A-64
Sequence 64, Applicant on PCT/US02/22325A
GENERAL INFORMATION:
APPLICANT: Cortica Corporation
APPLICANT: Fanger, Gary R.
APPLICANT: Burnam, Margareta
APPLICANT: Houghton, Raymond L.
APPLICANT: Dillon, David C.
APPLICANT: Carter, Darrick
APPLICANT: Persing, David H.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
FILE REFERENCE: 210121.49801PC
CURRENT APPLICATION NUMBER: PCT/US02/22325A
CURRENT FILING DATE: 2002-07-11
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 64
LENGTH: 1484
TYPE: DNA
ORGANISM: Homo sapiens
PCT-0502-22325A-64

Query Match 100.0%; Score 1155; DB 1; Length 1383;
Best Local Similarity 100.0%; Pred. No. 1,1e-291;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGCTTGAAGTTCATTCAGAGCGGCGCTGCTGTGTGAGAAAGAAATTGGTCGTC 60
DB 229 ATGGTGCTTGAAGTTCATTCAGAGCGGCGCTGCTGTGTGAGAAAGAAATTGGTCGTC 288
QY 61 AGGAGCAAGAGAGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
DB 289 AGGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 348
QY 121 AGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 180
DB 349 AGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 404
QY 181 ATGGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
DB 409 ATGGGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 464
QY 241 GGGGCTTGTGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAG 300
DB 469 GGGGCTTGTGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAGTAAG 528
QY 301 TGGTGCTGCACTGCTTCCCTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 360
DB 529 TGGTGCTGCACTGCTTCCCTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 584
QY 361 GAGAGATAGCAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 589 GAGAGATAGCAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 648
QY 421 GAGAGATAGCAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
DB 649 GAGAGATAGCAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 708
QY 481 CTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
DB 709 CTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 768
QY 541 CTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
DB 769 CTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 828
QY 601 GTGCTTGAAGCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 660

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Db 829 GTGCTTGAAGCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 888
QY 661 GTGCTTGAAGCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
DB 889 GTGCTTGAAGCAAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 948
QY 721 ATGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 780
DB 949 ATGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1008
QY 781 TATGCTTGAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 840
DB 1009 TATGCTTGAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1068
QY 841 CTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 900
DB 1069 CTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1128
QY 901 GTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 960
DB 1129 GTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1188
QY 961 GTGAGCTTGTACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020
DB 1189 GTGAGCTTGTACTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1248
QY 1021 GTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1080
DB 1249 GTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1308
QY 1081 AAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1140
DB 1309 AAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1368
QY 1141 ACCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1155
DB 1369 ACCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1383

RESULT 5
PCT-0502-22325A-65
Sequence 65, Applicant on PCT/US02/22325A
GENERAL INFORMATION:
APPLICANT: Cortica Corporation
APPLICANT: Fanger, Gary R.
APPLICANT: Burnam, Margareta
APPLICANT: Houghton, Raymond L.
APPLICANT: Carter, Darrick
APPLICANT: Persing, David H.
TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
FILE REFERENCE: 210121.49801PC
CURRENT APPLICATION NUMBER: PCT/US02/22325A
CURRENT FILING DATE: 2002-07-11
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 65
LENGTH: 1434
TYPE: DNA
ORGANISM: Homo sapiens
PCT-0502-22325A-65

Query Match 100.0%; Score 1155; DB 1; Length 1434;
Best Local Similarity 100.0%; Pred. No. 1,1e-291;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGTGCTTGAAGTTCATTCAGAGCGGCGCTGCTGTGTGAGAAAGAAATTGGTCGTC 60
DB 280 ATGGTGCTTGAAGTTCATTCAGAGCGGCGCTGCTGTGTGAGAAAGAAATTGGTCGTC 419
QY 61 AGGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120

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Db 481 CTAAGGACACTACCTTAAATAAAGACAAATAAAGACACTGCTTAACTGCTGCT 546
      |||||||
QY 541 TCTGCTAATGCGAATTCACAACTATATAAAATCTGCTGCTGCTGCTGCTGCTGCT 600
      |||||||
Db 541 TCTGCTAATGCGAATTCACAACTATATAAAATCTGCTGCTGCTGCTGCTGCTGCT 600
      |||||||
QY 601 GTCCTTGAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAC 660
      |||||||
Db 601 GTCCTTGAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAC 660
      |||||||
QY 661 TCTGCTAATGCGAATTCACAACTATATAAAATCTGCTGCTGCTGCTGCTGCTGCT 720
      |||||||
Db 661 TCTGCTAATGCGAATTCACAACTATATAAAATCTGCTGCTGCTGCTGCTGCTGCT 720
      |||||||
QY 721 ACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
      |||||||
Db 721 ACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
      |||||||
QY 781 TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
      |||||||
Db 781 TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
      |||||||
QY 841 CATGACGCAAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAA 900
      |||||||
Db 841 CATGACGCAAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAA 900
      |||||||
QY 901 CTTGATATATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 960
      |||||||
Db 901 CTTGATATATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 960
      |||||||
QY 961 CTTGATATATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1020
      |||||||
Db 961 CTTGATATATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1020
      |||||||
QY 1021 GCTGATATATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1080
      |||||||
Db 1021 GCTGATATATGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1080
      |||||||
QY 1081 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1138
      |||||||
Db 1081 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1138
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RESULT 7

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US-10-294-025-374
1 Sequence 374, Application US/10294025
2 GENERAL INFORMATION:
3 APPLICANT: Xu, Jianqun
4 APPLICANT: Stolk, John A.
5 APPLICANT: Kalos, Michael D.
6 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
7 FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
8 CURRENT APPLICATION NUMBER: US/10/294-025
9 CURRENT FILING DATE: 2002-11-12
10 NUMBER OF SEQ ID NOS: 1038
11 SOFTWARE: PASTED for Windows Version 4.0
12 SEQ ID NO 374
13 TYPE: DNA
14 ORGANISM: Homo sapiens
15 US-10-294-025-374

```

Query Match

98.0% Score 1131.6; DB 9; Length 2000;

Best local similarity 99.6%; Pred. No. 166-285;

Matches 1134; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 ATGGGCTGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60
 Db 1 ATGGGCTGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60
 QY 41 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120

```

Db 41 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
      |||||||
QY 121 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
      |||||||
Db 121 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
      |||||||
QY 181 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
      |||||||
Db 181 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
      |||||||
QY 241 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
      |||||||
Db 241 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
      |||||||
QY 301 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
      |||||||
Db 301 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
      |||||||
QY 361 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
      |||||||
Db 361 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
      |||||||
QY 421 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
      |||||||
Db 421 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
      |||||||
QY 481 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
      |||||||
Db 481 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
      |||||||
QY 541 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
      |||||||
Db 541 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
      |||||||
QY 601 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
      |||||||
Db 601 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
      |||||||
QY 661 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
      |||||||
Db 661 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
      |||||||
QY 721 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
      |||||||
Db 721 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
      |||||||
QY 781 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
      |||||||
Db 781 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
      |||||||
QY 841 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
      |||||||
Db 841 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
      |||||||
QY 901 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
      |||||||
Db 901 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
      |||||||
QY 961 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
      |||||||
Db 961 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
      |||||||
QY 1021 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
      |||||||
Db 1021 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
      |||||||
QY 1081 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1138
      |||||||
Db 1081 AAGGAAAAACAGATGCTTAAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1138
      |||||||

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RESULT 8


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QY 181 SANGSEVVKLLIDRQCUNLVNKKRTALLKAVQCEEDCALMLEHGLDENIPDEYGN 240
DB 181 SANGSEVVKLLIDRQCUNLVNKKRTALLKAVQCEEDCALMLEHGLDENIPDEYGN 240
QY 241 TLHVAIYNELKMAKALLYGADIESKNKHLLPLLGVBHRCQVVKELKKKANINA 300
DB 241 TLHVAIYNELKMAKALLYGADIESKNKHLLPLLGVBHRCQVVKELKKKANINA 300
QY 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360
DB 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360
QY 361 KEKUMKISSNSNPENVSRTNKK 384
DB 361 KEKUMKISSNSNPENVSRTNKK 384

RESULT 2
US-09-439-313-478
Sequence 378, Application: US-09-439-313
Patent No. 6429505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiana Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fager, Gary
APPLICANT: Reiter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 21021.427C9
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FASTSB for Windows Version 3.0
SEQ ID NO 378
LENGTH: 1719
TYPE: PRT
ORGANISM: Homo sapien
US-09-439-313-478

Query Match 100.0% Score 2064; DB 4; Length 1719;
Best Local Similarity 100.0%; Pred. No. 2, 40-204;
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MVEVDSMAASVKKPPPIPSKMKWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 60
DB 1 MVEVDSMAASVKKPPPIPSKMKWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 60
QY 61 MCKWPHCEPPOPSKSNVNASQEDIESAKNLEPMKMWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 120
DB 61 MCKWPHCEPPOPSKSNVNASQEDIESAKNLEPMKMWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 120
QY 121 GUYDSAEHPEYHVEHGLLEKRIHAAWCVVPRKGLVMIJGLDVNKKLKKKRTALLA 180
DB 121 GUYDSAEHPEYHVEHGLLEKRIHAAWCVVPRKGLVMIJGLDVNKKLKKKRTALLA 180
QY 181 SANGSEVVKLLIDRQCUNLVNKKRTALLKAVQCEEDCALMLEHGLDENIPDEYGN 240
DB 181 SANGSEVVKLLIDRQCUNLVNKKRTALLKAVQCEEDCALMLEHGLDENIPDEYGN 240
QY 241 TLHVAIYNELKMAKALLYGADIESKNKHLLPLLGVBHRCQVVKELKKKANINA 300
DB 241 TLHVAIYNELKMAKALLYGADIESKNKHLLPLLGVBHRCQVVKELKKKANINA 300
QY 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360
DB 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360

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DB 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360
QY 361 KEKUMKISSNSNPENVSRTNKK 384
DB 361 KEKUMKISSNSNPENVSRTNKK 384

RESULT 3
US-09-352-616A-478
Sequence 378, Application: US-09-352-616A
Patent No. 6495278
GENERAL INFORMATION:
APPLICANT: Dillon, David C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiana Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 21021.427C8
CURRENT FILING DATE: 1999-07-14
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FASTSB for Windows Version 3.0
SEQ ID NO 378
LENGTH: 1719
TYPE: PRT
ORGANISM: Homo sapien
US-09-352-616A-478

Query Match 100.0% Score 2064; DB 4; Length 1719;
Best Local Similarity 100.0%; Pred. No. 2, 40-204;
Matches 384; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MVEVDSMAASVKKPPPIPSKMKWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 60
DB 1 MVEVDSMAASVKKPPPIPSKMKWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 60
QY 61 MCKWPHCEPPOPSKSNVNASQEDIESAKNLEPMKMWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 120
DB 61 MCKWPHCEPPOPSKSNVNASQEDIESAKNLEPMKMWCPPEPPCPSPGYNVCTSCQNDQSAKTLPSK 120
QY 121 GUYDSAEHPEYHVEHGLLEKRIHAAWCVVPRKGLVMIJGLDVNKKLKKKRTALLA 180
DB 121 GUYDSAEHPEYHVEHGLLEKRIHAAWCVVPRKGLVMIJGLDVNKKLKKKRTALLA 180
QY 181 SANGSEVVKLLIDRQCUNLVNKKRTALLKAVQCEEDCALMLEHGLDENIPDEYGN 240
DB 181 SANGSEVVKLLIDRQCUNLVNKKRTALLKAVQCEEDCALMLEHGLDENIPDEYGN 240
QY 241 TLHVAIYNELKMAKALLYGADIESKNKHLLPLLGVBHRCQVVKELKKKANINA 300
DB 241 TLHVAIYNELKMAKALLYGADIESKNKHLLPLLGVBHRCQVVKELKKKANINA 300
QY 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360
DB 301 LBNVGTALLAVCGGSASIVSLLEONIIVSSQILSQOTAREYAVSSHHTVIGULLSDY 360
QY 361 KEKUMKISSNSNPENVSRTNKK 384
DB 361 KEKUMKISSNSNPENVSRTNKK 384

RESULT 4
US-09-605-785-479
Sequence 379, Application: US-09-605-785
Patent No. 6421716
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiana, Yugu

```



```

QY 1 MVEVDSMFASSVKKPPLPSMCKWCCPPEPESKSNVSTSDHDSAMKTLPSK 60
DB 1 MVEVDSMFASSVKKPPLPSMCKWCCPPEPESKSNVSTSDHDSAMKTLPSK 60
QY 61 MKWCHCPCPCGSGSKSNVNSASHHDSAMKTLPSMCKWCCPPEPESKSNVNSASHHDSAMKTLPSK 120
DB 61 MKWCHCPCPCGSGSKSNVNSASHHDSAMKTLPSMCKWCCPPEPESKSNVNSASHHDSAMKTLPSK 120
QY 121 GYVDSAEPEPYHVECHETLLEKLEHAAWCVVPEPPLVMEKPTTVNKKKLEKRTALHLA 180
DB 121 GYVDSAEPEPYHVECHETLLEKLEHAAWCVVPEPPLVMEKPTTVNKKKLEKRTALHLA 180
QY 181 SANNSSEVVKLLLEPPCQNLVNTNKKRTALIKAVCCGDEPFAIMLEHETPTNPIDEXGN 240
DB 181 SANNSSEVVKLLLEPPCQNLVNTNKKRTALIKAVCCGDEPFAIMLEHETPTNPIDEXGN 240
QY 241 TLHVAIVNEKIMAKALLYGADIESKNKGLTPLLGVHEKQVVKPLIKKANINA 300
DB 241 TLHVAIVNEKIMAKALLYGADIESKNKGLTPLLGVHEKQVVKPLIKKANINA 300
QY 301 TORVGTALITAVCCGSSASTVLELTONIVSSQSLISQTAKEAVSSHHTVTCULLSDY 360
DB 301 TORVGTALITAVCCGSSASTVLELTONIVSSQSLISQTAKEAVSSHHTVTCULLSDY 360
QY 361 KEKMKLISESNSNPE 376
DB 361 KEKMKLISESNSNPE 376

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RESULT 7

```

US-09-605-785-380
Sequence 380, Application US/09605785
Patent No. 6421716
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitchell, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jilang, Yugu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary K.
APPLICANT: Ketter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Patrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Szeiky, Yashir A W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.42709
CURRENT APPLICATION NUMBER: US 09/439313
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 380
LENGTH: 671
TYPE: PRT
ORGANISM: Homo sapiens
US-09-605-785-380

```

Query Match 98.1%, Score 2024, DB 4, Length 671;
Host Local Similarity 100.0%, Host No. 2-201;
Matches 376, Conservative 0, Mismatches 0, Indels 0, Gaps 0

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QY 1 MVEVDSMFASSVKKPPLPSMCKWCCPPEPESKSNVSTSDHDSAMKTLPSK 60
DB 1 MVEVDSMFASSVKKPPLPSMCKWCCPPEPESKSNVSTSDHDSAMKTLPSK 60

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QY 61 MKWCHCPCPCGSGSKSNVNSASHHDSAMKTLPSMCKWCCPPEPESKSNVNSASHHDSAMKTLPSK 120
DB 61 MKWCHCPCPCGSGSKSNVNSASHHDSAMKTLPSMCKWCCPPEPESKSNVNSASHHDSAMKTLPSK 120
QY 121 GYVDSAEPEPYHVECHETLLEKLEHAAWCVVPEPPLVMEKPTTVNKKKLEKRTALHLA 180
DB 121 GYVDSAEPEPYHVECHETLLEKLEHAAWCVVPEPPLVMEKPTTVNKKKLEKRTALHLA 180
QY 181 SANNSSEVVKLLLEPPCQNLVNTNKKRTALIKAVCCGDEPFAIMLEHETPTNPIDEXGN 240
DB 181 SANNSSEVVKLLLEPPCQNLVNTNKKRTALIKAVCCGDEPFAIMLEHETPTNPIDEXGN 240
QY 241 TLHVAIVNEKIMAKALLYGADIESKNKGLTPLLGVHEKQVVKPLIKKANINA 300
DB 241 TLHVAIVNEKIMAKALLYGADIESKNKGLTPLLGVHEKQVVKPLIKKANINA 300
QY 301 TORVGTALITAVCCGSSASTVLELTONIVSSQSLISQTAKEAVSSHHTVTCULLSDY 360
DB 301 TORVGTALITAVCCGSSASTVLELTONIVSSQSLISQTAKEAVSSHHTVTCULLSDY 360
QY 361 KEKMKLISESNSNPE 376
DB 361 KEKMKLISESNSNPE 376

```

RESULT 8

```

US-09-439-313-380
Sequence 380, Application US/09439313
Patent No. 6429505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, David C.
APPLICANT: Mitchell, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jilang, Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Ketter, Marc
APPLICANT: Stolk, John
APPLICANT: Day, Craig
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Patrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Szeiky, Yashir A W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.42709
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 380
LENGTH: 671
TYPE: PRT
ORGANISM: Homo sapiens
US-09-439-313-380

```

Query Match 98.1%, Score 2024, DB 4, Length 671;
Host Local Similarity 100.0%, Host No. 2-201;
Matches 376, Conservative 0, Mismatches 0, Indels 0, Gaps 0

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QY 1 MVEVDSMFASSVKKPPLPSMCKWCCPPEPESKSNVSTSDHDSAMKTLPSK 60
DB 1 MVEVDSMFASSVKKPPLPSMCKWCCPPEPESKSNVSTSDHDSAMKTLPSK 60
QY 61 MKWCHCPCPCGSGSKSNVNSASHHDSAMKTLPSMCKWCCPPEPESKSNVNSASHHDSAMKTLPSK 120
DB 61 MKWCHCPCPCGSGSKSNVNSASHHDSAMKTLPSMCKWCCPPEPESKSNVNSASHHDSAMKTLPSK 120
QY 121 GYVDSAEPEPYHVECHETLLEKLEHAAWCVVPEPPLVMEKPTTVNKKKLEKRTALHLA 180
DB 121 GYVDSAEPEPYHVECHETLLEKLEHAAWCVVPEPPLVMEKPTTVNKKKLEKRTALHLA 180
QY 181 SANNSSEVVKLLLEPPCQNLVNTNKKRTALIKAVCCGDEPFAIMLEHETPTNPIDEXGN 240
DB 181 SANNSSEVVKLLLEPPCQNLVNTNKKRTALIKAVCCGDEPFAIMLEHETPTNPIDEXGN 240

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Sequence 477: Application US/09/05/2616A
Feature No. 146276
1 0 NINJA INFORMATION
2 APPLICANT: Nathan, David C.
3 APPLICANT: Harlock, Susan Louise
4 APPLICANT: Liang, Yipui
5 APPLICANT: Xu, Jianzhong
6
7 TITLE OF INVENTION: COMPOSITE PINK THIN-FILM AND LAMINATE
8
9 TITLE OF INVENTION: OF PRESTIGE VANTAGE AND METHOD FOR THEIR USE
10 REFERENCE: 21021, 12706
11 CURRENT APPLICATION NUMBER: US/09/05/2616A
12 NUMBER OF SIBS TO NO. 477
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14 DRAWING: Attached for Windows Version 5.0
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1 TYPE: PBT
2 OR TANSIM: Homo sapien
3 FEATURE:
4 NAME/KEY: VARIANT
5 LOCATION: (1) --- (148)
6 OTHER INFORMATION: X04 Any Amnio Acid
7 US: 09-699-295-304
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[illegible][illegible]

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RESULT 9
US-09-810-945-324
Sequence 324, Application US/09810946
Patient No. US200200628591
GENERAL INFORMATION:
APPLICANT: Frutakis, Tony N.
APPLICANT: Reed, Steven G.
APPLICANT: Smith, John M.
APPLICANT: Mishner, Linda E.
APPLICANT: Dillon, Devin G.

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07 61 MKNQTHPPQTEJSCZSNVJAGN HESAVETLQPM JMTJHLLQDZSKSVGAW 120
08 61 MKNQTHPPQTEJSCZSNVJAGN HESAVETLQPM JMTJHLLQDZSKSVGAW 120
09 121 GYVDSATMERBYHVEGDELKLRHAAWNSVPRKLLVMIJLDVNRNDOKRTALHLLA 180
10 121 GYVDSATMERBYHVEGDELKLRHAAWNSVPRKLLVMIJLDVNRNDOKRTALHLLA 180
11 181 SANTNSVVKLLIDPQOJ NVLENNKPTALLKAVGQDEPCATMLEHCTQVNIIDYXG 240
12 181 SANTNSVVKLLIDPQOJ NVLENNKPTALLKAVGQDEPCATMLEHCTQVNIIDYXG 240
13 241 TLHVAIVNEKRLAKALLVGAJTESKNKHGTLPLLVHEQKQVVKFLIKKANLNA 300
14 241 TLHVAIVNEKRLAKALLVGAJTESKNKHGTLPLLVHEQKQVVKFLIKKANLNA 300
15 301 LDRVGRFALILAVGGGSAIVSILLKONTIVSSQJTAKEVAVSSHHVICOULLSDY 360
16 301 LDRVGRFALILAVGGGSAIVSILLKONTIVSSQJTAKEVAVSSHHVICOULLSDY 360
17 361 KKKOMLJSSNSNPENVSRTNRK 384
18 361 KKKOMLJSSNSNPENVSRTNRK 384

```

Search completed: April 17, 2003, 08:05:34
 Job time : 444 secs

Document Version 5.1.4, Apr 4/98
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Multi-Search: Product search method on model

Run Date: April 17, 2004, 07:24:12.7 Search Time: 146 Seconds

(without all items)

1000,700 Million cell updates/sec

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

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Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

Product Name: 2004

```

QY 1 MVEVDSMFAASVKKPFGLSKMKWCCROCFPOCKSASNVGTSJHDHDSAMKTLRSK 60
DB 1 MVEVDSMFAASVKKPFGLSKMKWCCROCFPOCKSASNVGTSJHDHDSAMKTLRSK 60
QY 61 MKRWPHFPFGGSKSNVGSSTHGFSAKRTLENNMKWVHGFPOCKSASKVAV 120
DB 61 MKRWPHFPFGGSKSNVGSSTHGFSAKRTLENNMKWVHGFPOCKSASKVAV 120
QY 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
DB 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
QY 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
DB 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
QY 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360
DB 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360
QY 361 KEQMKLISSENSNPINVESTENK 384
DB 361 KEQMKLISSENSNPINVESTENK 384

```

RESULT 2

```

US-09-289-198-304
? Sequence 404, Application US/09289198
? GENERAL INFORMATION:
? APPLICANT: Efudakis, Tony N.
? APPLICANT: Smith, John M.
? APPLICANT: Reed, Steven G.
? APPLICANT: Misher, Lynda
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
? FILE REFERENCE: 210121.419C5
? CURRENT APPLICATION NUMBER: US/09/289.198
? CURRENT FILING DATE: 1999-04-09
? EARLIER APPLICATION NUMBER: US/09/062.451
? EARLIER FILING DATE: 1998-04-17
? EARLIER APPLICATION NUMBER: US/08/991.789
? EARLIER FILING DATE: 1997-12-11
? EARLIER APPLICATION NUMBER: US/08/839.762
? EARLIER FILING DATE: 1997-04-09
? EARLIER APPLICATION NUMBER: PCT/95/0790185
? EARLIER FILING DATE: 1995-01-13
? EARLIER APPLICATION NUMBER: US/08/700.014
? EARLIER FILING DATE: 1996-08-29
? EARLIER APPLICATION NUMBER: US/08/585.392
? EARLIER FILING DATE: 1996-01-01
? NUMBER OF SEQ ID NOS: 312
? SOFTWARE: FASTSEQ for Windows Version 3.0
? SEQ ID NO 304
? LENGTH: 384
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-289-198-304

```

Query Match 100.0%; Score 2064; DB 16; Length 384;
 Best local similarity 100.0%; Pred. No. 6, 2e-179;
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MVEVDSMFAASVKKPFGLSKMKWCCROCFPOCKSASNVGTSJHDHDSAMKTLRSK 60
DB 1 MVEVDSMFAASVKKPFGLSKMKWCCROCFPOCKSASNVGTSJHDHDSAMKTLRSK 60
QY 61 MKRWPHFPFGGSKSNVGSSTHGFSAKRTLENNMKWVHGFPOCKSASKVAV 120
DB 61 MKRWPHFPFGGSKSNVGSSTHGFSAKRTLENNMKWVHGFPOCKSASKVAV 120
QY 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
DB 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
QY 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
DB 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
QY 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360
DB 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360

```

```

QY 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
DB 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
QY 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
DB 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
QY 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360
DB 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360
QY 361 KEQMKLISSENSNPINVESTENK 384
DB 361 KEQMKLISSENSNPINVESTENK 384

```

RESULT 3

```

US-09-429-755-304
? Sequence 404, Application US/09429755A
? GENERAL INFORMATION:
? APPLICANT: Efudakis, Tony N.
? APPLICANT: Smith, John M.
? APPLICANT: Reed, Steven G.
? APPLICANT: Misher, Lynda
? APPLICANT: Ketter, Marc W.
? APPLICANT: Dillon, David G.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
? FILE REFERENCE: 210121.419C6
? CURRENT APPLICATION NUMBER: US/09/429.755A
? CURRENT FILING DATE: 1999-10-28
? NUMBER OF SEQ ID NOS: 315
? SOFTWARE: FASTSEQ for Windows Version 3.0
? SEQ ID NO 304
? LENGTH: 384
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-429-755-304

```

Query Match 100.0%; Score 2064; DB 18; Length 384;
 Best local similarity 100.0%; Pred. No. 6, 2e-179;
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MVEVDSMFAASVKKPFGLSKMKWCCROCFPOCKSASNVGTSJHDHDSAMKTLRSK 60
DB 1 MVEVDSMFAASVKKPFGLSKMKWCCROCFPOCKSASNVGTSJHDHDSAMKTLRSK 60
QY 61 MKRWPHFPFGGSKSNVGSSTHGFSAKRTLENNMKWVHGFPOCKSASKVAV 120
DB 61 MKRWPHFPFGGSKSNVGSSTHGFSAKRTLENNMKWVHGFPOCKSASKVAV 120
QY 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
DB 121 GVEGSAEMEPYHVGDELEFLHFAAMWCVPEEKLIVMLPGLVNNKKEKKAALHIA 180
QY 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
DB 181 SANGNSEVVKLLDPKQGLNVLNKKRTALIKAVCGDEDEVALMLEGTPNIPDEYN 240
QY 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
DB 241 TLHVAIYNEKLMKALLYGADIESKNKGITPELLGVHOKQVVKFLIKKANINA 300
QY 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360
DB 301 LDRYGTALLAVCGSASIVSLLEONIDVSSODLSGQTAPEYAVSSHHTVIGQLSDY 360

```


Match: 181, Mismatch: 0, Indels: 0, Gaps: 0

QY 1 MVEVYSMAASSVKKPEPESKMKWQCHCPYBESGNSVLSHHSAMKILRSK 60
 ID 1 MVEVYSMAASSVKKPEPESKMKWQCHCPYBESGNSVLSHHSAMKILRSK 60
 QY 61 MCKWCHCPYBESGNSVLSHHSAMKILRSK 120
 ID 61 MCKWCHCPYBESGNSVLSHHSAMKILRSK 120
 QY 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180
 ID 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180
 QY 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180
 ID 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180

Query Match: 100.0%; Score 2064; DB 20; Length 384;
 Best Local Similarity: 100.0%; Seed: No. 6, 20, 179;
 Matches: 384; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

US-09-699-295-304

RESULT 7
 US-09-699-295-304
 ? Sequence 304, Application us/09a09a09a09a
 ? GENERAL INFORMATION:
 ? APPLICANT: Frudakis, Tony N.
 ? APPLICANT: Reed, Steven G.
 ? APPLICANT: Smith, John M.
 ? APPLICANT: Misher, Linda E.
 ? APPLICANT: Dillon, David G.
 ? APPLICANT: Kellor, Marc W.
 ? APPLICANT: Ward, Aljun
 ? APPLICANT: Skeiky, Yasser A.W.
 ? APPLICANT: Haddock, Susan L.
 ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
 ? FILE REFERENCE: 210121.419610
 ? CURRENT APPLICATION NUMBER: us/09-699-295
 ? CURRENT FILING DATE: 2001-03-16
 ? NUMBER OF SEQ ID NOS: 326
 ? SOFTWARE: FastSeq for Windows Version 3.0
 ? SEQ ID NO 304
 ? LENGTH: 384
 ? TYPE: PRT
 ? ORGANISM: Homo sapiens
 US-09-699-295-304

Match: 181, Mismatch: 0, Indels: 0, Gaps: 0

QY 1 MVEVYSMAASSVKKPEPESKMKWQCHCPYBESGNSVLSHHSAMKILRSK 60
 ID 1 MVEVYSMAASSVKKPEPESKMKWQCHCPYBESGNSVLSHHSAMKILRSK 60
 QY 61 MCKWCHCPYBESGNSVLSHHSAMKILRSK 120
 ID 61 MCKWCHCPYBESGNSVLSHHSAMKILRSK 120
 QY 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180
 ID 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180
 QY 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180
 ID 121 GYVDSAMMEPYHVEDETLKILHAAWCKVPPKLLVMLPOTDVKKOKRTALHLA 180

Query Match: 100.0%; Score 2064; DB 22; Length 384;
 Best Local Similarity: 100.0%; Seed: No. 6, 20, 179;
 Matches: 394; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

US-09-810-936-404

RESULT 8
 US-09-810-936-404
 ? Sequence 304, Application us/09a109a109a109a
 ? GENERAL INFORMATION:
 ? APPLICANT: Frudakis, Tony N.
 ? APPLICANT: Reed, Steven G.
 ? APPLICANT: Smith, John M.
 ? APPLICANT: Misher, Linda E.
 ? APPLICANT: Dillon, David G.
 ? APPLICANT: Kellor, Marc W.
 ? APPLICANT: Ward, Aljun
 ? APPLICANT: Skeiky, Yasser A.W.
 ? APPLICANT: Haddock, Susan L.
 ? APPLICANT: Day, Craig R.
 ? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
 ? FILE REFERENCE: 210121.419611
 ? CURRENT APPLICATION NUMBER: us/09-810-936
 ? CURRENT FILING DATE: 2001-03-16
 ? NUMBER OF SEQ ID NOS: 334
 ? SOFTWARE: FastSeq for Windows Version 3.0
 ? SEQ ID NO 304
 ? LENGTH: 384
 ? TYPE: PRT
 ? ORGANISM: Homo sapiens
 US-09-810-936-404

LENGTH: 384
TYPE: PRT
ORGANISM: Homo sapiens
US-10-074-1378-304

Query Match: 100.0% Score: 2064 DB: 24 Length: 384
Best Local Similarity: 100.0% Pred. No. Gaps: 179
Matches: 384 Conservative 0 Mismatches 0 Indels 0 Gaps 0

```

UY 1 MVEVDSMFAASSVKKPFGIISKMKWQCPFPQDPSGKSNVTSIDHDSAMKTLRSK 60
    |||
DB 1 MVEVDMPRAQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 60
UY 61 MCKWCHPFCPOGDSKSNVTSIDHDSAMKTLRSK 120
    |||
DB 61 MCKWCHPFCPOGDSKSNVTSIDHDSAMKTLRSK 120
UY 121 GYDVSATFEPYHVEGCTIPIHPAAWQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 240
    |||
DB 121 GYDVSATFEPYHVEGCTIPIHPAAWQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 240
UY 181 SANGNSEVVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 181 SANGNSEVVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 301 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 360
    |||
DB 301 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 360
UY 361 KRCUMNISENSNELNPELHKA 384
    |||
DB 361 KRCUMNISENSNELNPELHKA 384

```

RESULT 12

US-10-212-679-304
Sequence 104, Application US10212679
GENERAL INFORMATION:
APPLICANT: Fanger, Gary
APPLICANT: Hirst, Shannon Kathleen
APPLICANT: Dillon, David
APPLICANT: Foy, Teresa
APPLICANT: Houghton, Ray
APPLICANT: Persing, David
APPLICANT: Kalos, Michael
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121-419014
CURRENT APPLICATION NUMBER: US10212679
CURRENT FILING DATE: 2002-08-02
NUMBER OF SEQ ID NOS: 428
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 304
LENGTH: 384
TYPE: PRT
ORGANISM: Homo sapiens
US-10-212-679-304

Query Match: 100.0% Score: 2064 DB: 24 Length: 384
Best Local Similarity: 100.0% Pred. No. Gaps: 179
Matches: 384 Conservative 0 Mismatches 0 Indels 0 Gaps 0

```

UY 1 MVEVDSMFAASSVKKPFGIISKMKWQCPFPQDPSGKSNVTSIDHDSAMKTLRSK 60
    |||
DB 1 MVEVDMPRAQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 60
UY 61 MCKWCHPFCPOGDSKSNVTSIDHDSAMKTLRSK 120
    |||
DB 61 MCKWCHPFCPOGDSKSNVTSIDHDSAMKTLRSK 120

```

```

UY 121 GYDVSATFEPYHVEGCTIPIHPAAWQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 240
    |||
DB 121 GYDVSATFEPYHVEGCTIPIHPAAWQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 240
UY 181 SANGNSEVVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 181 SANGNSEVVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 301 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 360
    |||
DB 301 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 360
UY 361 KRCUMNISENSNELNPELHKA 384
    |||
DB 361 KRCUMNISENSNELNPELHKA 384

```

RESULT 13

US-09-699-295-304-136
Sequence 136, Application US090224917
GENERAL INFORMATION:
APPLICANT: Corixa Corporation
APPLICANT: Fanger, Gary R.
APPLICANT: Hirst, Shannon Kathleen
APPLICANT: Dillon, David G.
APPLICANT: Foy, Teresa M.
APPLICANT: Houghton, Raymond L.
APPLICANT: Persing, David H.
APPLICANT: Kalos, Michael D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121-419014
CURRENT APPLICATION NUMBER: PCT/US02/24917
CURRENT FILING DATE: 2002-08-05
NUMBER OF SEQ ID NOS: 428
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 436
LENGTH: 394
TYPE: PRT
ORGANISM: Homo sapiens
PCT-0802-24917-336

Query Match: 100.0% Score: 2064 DB: 1 Length: 394
Best Local Similarity: 100.0% Pred. No. Gaps: 179
Matches: 384 Conservative 0 Mismatches 0 Indels 0 Gaps 0

```

UY 1 MVEVDSMFAASSVKKPFGIISKMKWQCPFPQDPSGKSNVTSIDHDSAMKTLRSK 60
    |||
DB 1 MVEVDMPRAQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 60
UY 61 MCKWCHPFCPOGDSKSNVTSIDHDSAMKTLRSK 120
    |||
DB 61 MCKWCHPFCPOGDSKSNVTSIDHDSAMKTLRSK 120
UY 121 GYDVSATFEPYHVEGCTIPIHPAAWQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 240
    |||
DB 121 GYDVSATFEPYHVEGCTIPIHPAAWQVVPFPTISFPMKWCPFPQDPSGKSNVTSIDHDSAMKTLRSK 240
UY 181 SANGNSEVVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 181 SANGNSEVVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
    |||
DB 241 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 240
UY 301 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 360
    |||
DB 301 TITIAVYVELLDIQRCCQINVLNDRKRTALIKAVQCEDEALMLEHGTIPNIPDEYN 360

```



```

DB 377 TDEYFPAIALAVTGGASIVSI LIFENFVSSQFI SQGAPPAVSSHHVITQILSDY 434
CY 361 KKKOMKISSNSPENSPTNK 384
DB 447 KKKOMKISSNSPENSPTNK 460

```

RESULT 2

```

PCT-US02-22325A-67
? Sequence 67, Application FC/7080222325A
? GENERAL INFORMATION:
? APPLICANT: Corixa Corporation
? APPLICANT: Faugert, Gary R.
? APPLICANT: Durham, Margaret
? APPLICANT: Houghton, Raymond L.
? APPLICANT: Dillon, David R.
? APPLICANT: Carter, Darlick
? APPLICANT: Persing, David H.
? TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
? TITLE OF INVENTION: DIAGNOSIS AND THERAPY
? FILE REFERENCE: 210121.490103
? CURRENT APPLICATION NUMBER: FC/0502/22325A
? CURRENT FILING DATE: 2002-07-11
? NUMBER OF SEQ ID NOS: 78
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 67
? LENGTH: 477
? TYPE: PRT
? ORGANISM: Homo sapiens
PCT-US02-22325A-67

```

```

Query Match 100.0% Score 2064, Dh 5, Length 477
Best Local Similarity 100.0% Pred. No. 156-166
Matches 384: Conservative 0, Mismatches 0, Indels 0, Gaps 0

CY 1 NVEVDSMAASVKKPRPTGSKMKWTPVTPVPSKSNVNTISQIHGSAKTLPSK 60
DB 94 NVEVDSMAASVKKPRPTGSKMKWTPVTPVPSKSNVNTISQIHGSAKTLPSK 154
CY 154 MKMKHCHTCHPGCKGSKSNVAVSSTHDSGAKTLFENKSGWCHDCHDPSKSVGAN 119
DB 154 MKMKHCHTCHPGCKGSKSNVAVSSTHDSGAKTLFENKSGWCHDCHDPSKSVGAN 119
CY 127 CHYEGAMITPVVHTTITFI SEAAWQCVSECCIVMLECLDVKKQCKKALALA 189
DB 214 CHYEGAMITPVVHTTITFI SEAAWQCVSECCIVMLECLDVKKQCKKALALA 274
CY 181 SANNSPVVKTLPBPVQI NVITNKKPTALIKAVGQCHGFA MLELHGTHNIEEYGN 240
DB 274 SANNSPVVKTLPBPVQI NVITNKKPTALIKAVGQCHGFA MLELHGTHNIEEYGN 333
CY 241 TTHVATNFEKMAKALILEAGLESKNKHLEHLLGVESKGVVKEI KKKANINA 400
DB 334 TTHVATNFEKMAKALILEAGLESKNKHLEHLLGVESKGVVKEI KKKANINA 400
CY 301 LHHYCHALILAVTGGASIVSI LIFENFVSSQFI SQGAPPAVSSHHVITQILSDY 360
DB 394 LHHYCHALILAVTGGASIVSI LIFENFVSSQFI SQGAPPAVSSHHVITQILSDY 453
CY 361 KKKOMKISSNSPENSPTNK 384
DB 454 KKKOMKISSNSPENSPTNK 477

```

RESULT 3

```

US-09-594-794A-478
? Sequence 478, Application US/09593793A
? GENERAL INFORMATION:
? APPLICANT: Xu, Jiangchun
? APPLICANT: Dillon, David G.
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: Harlocker, Susan L.

```

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APPLICANT: Jiang, Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael D.
APPLICANT: Faugert, Gary R.
APPLICANT: Ketter, Mario W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedick, Thomas S.
APPLICANT: Carter, Darlick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yash A.W.
APPLICANT: Helper, William
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
? FILE REFERENCE: 210121.4271515
? CURRENT APPLICATION NUMBER: US/09/594,794A
? CURRENT FILING DATE: 2000-06-13
? NUMBER OF SEQ ID NOS: 814
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 378
? LENGTH: 1719
? TYPE: PRT
? ORGANISM: Homo sapiens
US-09-594-794A-478

```

```

Query Match 100.0% Score 2064, Dh 5, Length 1719
Best Local Similarity 100.0% Pred. No. 760-166
Matches 384: Conservative 0, Mismatches 0, Indels 0, Gaps 0

CY 1 NVEVDSMAASVKKPRPTGSKMKWTPVTPVPSKSNVNTISQIHGSAKTLPSK 60
DB 94 NVEVDSMAASVKKPRPTGSKMKWTPVTPVPSKSNVNTISQIHGSAKTLPSK 154
CY 154 MKMKHCHTCHPGCKGSKSNVAVSSTHDSGAKTLFENKSGWCHDCHDPSKSVGAN 119
DB 154 MKMKHCHTCHPGCKGSKSNVAVSSTHDSGAKTLFENKSGWCHDCHDPSKSVGAN 119
CY 127 CHYEGAMITPVVHTTITFI SEAAWQCVSECCIVMLECLDVKKQCKKALALA 189
DB 214 CHYEGAMITPVVHTTITFI SEAAWQCVSECCIVMLECLDVKKQCKKALALA 274
CY 181 SANNSPVVKTLPBPVQI NVITNKKPTALIKAVGQCHGFA MLELHGTHNIEEYGN 240
DB 274 SANNSPVVKTLPBPVQI NVITNKKPTALIKAVGQCHGFA MLELHGTHNIEEYGN 333
CY 241 TTHVATNFEKMAKALILEAGLESKNKHLEHLLGVESKGVVKEI KKKANINA 400
DB 334 TTHVATNFEKMAKALILEAGLESKNKHLEHLLGVESKGVVKEI KKKANINA 400
CY 301 LHHYCHALILAVTGGASIVSI LIFENFVSSQFI SQGAPPAVSSHHVITQILSDY 360
DB 394 LHHYCHALILAVTGGASIVSI LIFENFVSSQFI SQGAPPAVSSHHVITQILSDY 453
CY 361 KKKOMKISSNSPENSPTNK 384
DB 454 KKKOMKISSNSPENSPTNK 477

```

RESULT 4

```

US-10-294-025-478
? Sequence 478, Application US/10294025
? GENERAL INFORMATION:
? APPLICANT: Xu, Jiangchun
? APPLICANT: Stolk, John A.
? APPLICANT: Kalos, Michael D.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
? FILE REFERENCE: 210121.427029
? CURRENT APPLICATION NUMBER: US/10/294,025
? CURRENT FILING DATE: 2002-11-12
? NUMBER OF SEQ ID NOS: 1038
? SOFTWARE: FastSeq for Windows Version 3.0

```



```

|||||
Db 61 MCKWPHFCTGJSSKSNVJASQJHTSAMKLEFNKMKWCTHFEQJSSKSKVAVW 120
QY 121 GYVDSAPMEPRYHVGEFTLPIHPAAWCKVPTFCIVMLPTTVVPTGPTALHIA 180
Db 121 GYVDSAPMEPRYHVGEFTLPIHPAAWCKVPTFCIVMLPTTVVPTGPTALHIA 180
QY 181 SANGNSEVVKLLDEPQJNVLINFEPTATIAVQCGEPFAMIMLPHGTNNHDEYN 240
Db 181 SANGNSEVVKLLDEPQJNVLINFEPTATIAVQCGEPFAMIMLPHGTNNHDEYN 240
QY 241 TILHVAIYNEDKIMAKALLIYAGDIJESKKNHSLITLLSVHEQKQVVKFIKKKANINA 300
Db 241 TILHVAIYNEDKIMAKALLIYAGDIJESKKNHSLITLLSVHEQKQVVKFIKKKANINA 300
QY 301 LPPVGTATILAVCGSSATVSLILPQNTIVSSQJLSQTAFAVAVSSHHTVTCGLLSY 360
Db 301 LPPVGTATILAVCGSSATVSLILPQNTIVSSQJLSQTAFAVAVSSHHTVTCGLLSY 360
QY 361 KKKOMKISSNSNPE 376
Db 361 KKKOMKISSNSNPE 376

```

```

RESULT 7
US-10-294 025 379
: Sequence 379, Application US/10294025
: GENERAL INFORMATION:

```

```

: APPLICANT: Xu, Jiangchun
: APPLICANT: Stolk, Joan A.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427026
: CURRENT APPLICATION NUMBER: US/10/294.025
: CURRENT FILING DATE: 2002.11.02
: NUMBER OF SEQ ID NOS: 1039
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 379
: LENGTH: 656
: TYPE: PRF
: ORGANISM: Homo sapiens
US-10-294 025-379

```

```

Query Match 98.1% Score 2024, DB 6, Length 656,
Best Local Similarity 100.0%, Prod. No. 5, Seq-ID: 379
Matches 376, Conservative 0, Mismatches 0, Indels 0, Gaps 0

```

```

QY 1 MVEVDSMPAASVKKFEGLESKMKWCTHFEQJSSKSNVJASQJHTSAMKTLPSK 60
Db 1 MVEVDSMPAASVKKFEGLESKMKWCTHFEQJSSKSNVJASQJHTSAMKTLPSK 60
QY 61 MCKWPHFCTGJSSKSNVJASQJHTSAMKLEFNKMKWCTHFEQJSSKSKVAVW 120
Db 61 MCKWPHFCTGJSSKSNVJASQJHTSAMKLEFNKMKWCTHFEQJSSKSKVAVW 120
QY 121 GYVDSAPMEPRYHVGEFTLPIHPAAWCKVPTFCIVMLPTTVVPTGPTALHIA 180
Db 121 GYVDSAPMEPRYHVGEFTLPIHPAAWCKVPTFCIVMLPTTVVPTGPTALHIA 180
QY 181 SANGNSEVVKLLDEPQJNVLINFEPTATIAVQCGEPFAMIMLPHGTNNHDEYN 240
Db 181 SANGNSEVVKLLDEPQJNVLINFEPTATIAVQCGEPFAMIMLPHGTNNHDEYN 240
QY 241 TILHVAIYNEDKIMAKALLIYAGDIJESKKNHSLITLLSVHEQKQVVKFIKKKANINA 300
Db 241 TILHVAIYNEDKIMAKALLIYAGDIJESKKNHSLITLLSVHEQKQVVKFIKKKANINA 300
QY 301 LPPVGTATILAVCGSSATVSLILPQNTIVSSQJLSQTAFAVAVSSHHTVTCGLLSY 360
Db 301 LPPVGTATILAVCGSSATVSLILPQNTIVSSQJLSQTAFAVAVSSHHTVTCGLLSY 360
QY 361 KKKOMKISSNSNPE 376

```

```

|||||
Db 361 KKKOMKISSNSNPE 376

```

```

RESULT 8
US-10-129-909-376
: Sequence 379, Application US/10129909
: GENERAL INFORMATION:

```

```

: APPLICANT: Corixa Corporation
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, David C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan Louise
: APPLICANT: Reed, Steven G.
: APPLICANT: Kales, Michael
: APPLICANT: Fanger, Gary
: APPLICANT: Peltier, Mark
: APPLICANT: Stolk, John
: APPLICANT: Lay, Craig
: APPLICANT: Skolky, Yasir A.W.
: APPLICANT: Wang, Aijun
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427026
: CURRENT APPLICATION NUMBER: US/10/129.909
: CURRENT FILING DATE: 2002.11.09
: NUMBER OF SEQ ID NOS: 551
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 379
: LENGTH: 656
: TYPE: PRF
: ORGANISM: Homo sapien
US-10-129-909-379

```

```

Query Match 98.1% Score 2021, DB 6, Length 656,
Best Local Similarity 100.0%, Prod. No. 5, Seq-ID: 379
Matches 376, Conservative 0, Mismatches 0, Indels 0, Gaps 0

```

```

QY 1 MVEVDSMPAASVKKFEGLESKMKWCTHFEQJSSKSNVJASQJHTSAMKTLPSK 60
Db 1 MVEVDSMPAASVKKFEGLESKMKWCTHFEQJSSKSNVJASQJHTSAMKTLPSK 60
QY 61 MCKWPHFCTGJSSKSNVJASQJHTSAMKLEFNKMKWCTHFEQJSSKSKVAVW 120
Db 61 MCKWPHFCTGJSSKSNVJASQJHTSAMKLEFNKMKWCTHFEQJSSKSKVAVW 120
QY 121 GYVDSAPMEPRYHVGEFTLPIHPAAWCKVPTFCIVMLPTTVVPTGPTALHIA 180
Db 121 GYVDSAPMEPRYHVGEFTLPIHPAAWCKVPTFCIVMLPTTVVPTGPTALHIA 180
QY 181 SANGNSEVVKLLDEPQJNVLINFEPTATIAVQCGEPFAMIMLPHGTNNHDEYN 240
Db 181 SANGNSEVVKLLDEPQJNVLINFEPTATIAVQCGEPFAMIMLPHGTNNHDEYN 240
QY 241 TILHVAIYNEDKIMAKALLIYAGDIJESKKNHSLITLLSVHEQKQVVKFIKKKANINA 300
Db 241 TILHVAIYNEDKIMAKALLIYAGDIJESKKNHSLITLLSVHEQKQVVKFIKKKANINA 300
QY 301 LPPVGTATILAVCGSSATVSLILPQNTIVSSQJLSQTAFAVAVSSHHTVTCGLLSY 360
Db 301 LPPVGTATILAVCGSSATVSLILPQNTIVSSQJLSQTAFAVAVSSHHTVTCGLLSY 360
QY 361 KKKOMKISSNSNPE 376
Db 361 KKKOMKISSNSNPE 376

```

```

RESULT 9
US-09-593-793A-380
: Sequence 380, Application US/09593793A
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun

```


